

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18	(deform\$4 with (medium object) same simulat\$5 same (mesh\$4 discret\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/07/03 16:00
L2	267	(deform\$4 same (elastic plastic) same (dynamic\$4 and static))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:01
L3	10	(deform\$4 same (elastic plastic) same (dynamic\$4 and static)) same (mesh\$4 discret\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:01
L4	14	rend\$4 with deforma\$4 with (simulat\$4 model\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:02
L5	353	rend\$4 same deforma\$4 same (simulat\$4 model\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:02
L6	20	rend\$4 same deforma\$4 same (simulat\$4 model\$5) same (mesh\$4 discret\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:03
L7	7	703/1 and (deforma\$5 near3 (medium media object\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:04
L8	49	703/2 and (deforma\$5 near3 (medium media object\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:04
L9	7	703/11 and (deforma\$5 near3 (medium media object\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:04

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L10	2	703/22 and (deforma\$5 near3 (medium media object\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:04
L11	1	716/20 and (deforma\$5 near3 (medium media object\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:04
L14	74	(deformable near medium).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/07/03 16:06
L15	45	(deformable adj medium).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2007/07/03 16:06
L16	1	((deformable adj medium) and (long adj element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:07
L17	1	((deformable adj medium) and (long adj2 element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:07
L18	1	((deformable adj2 medium) and (long adj2 element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:07
L19	1	((deformable near medium) and (long adj2 element)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:07
L20	1	((deformable near medium) and (simulation)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 16:08

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L1	2496	((703/2) or (703/22) or (703/1) or (703/11)).CCLS.	USPAT; USOCR	OR	OFF	2007/07/03 14:27
L2	19	I1 and (deform\$4 near2 (object medium))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 14:28
L3	9100	(deforma\$5 near3 (object medium medi\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 14:53
L4	159	(deforma\$5 near3 (object medium medi\$3)) same (mesh\$3 (long near element))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 14:54
L5	13	(deforma\$5 near3 (object medium medi\$3)) same (mesh\$3 (long near element)) same (simulat\$4 emulat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:20
L6	455	(long near element\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:21
L7	276	(long adj2 element\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:21
L8	271	(long adj2 element).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:21
L9	3	I8 and (deform\$5 near2 (object medium medi\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:23
L10	8	I8 and (simulat\$5 emulat\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:24

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L11	53	(long adj element).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:25
L12	2	I11 and mesh\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:25
L13	879	(configur\$4 construct\$4 model\$4) same (deforma\$5 near2 (object medi\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:26
L14	951	(configur\$4 construct\$4 model\$4 simulat\$4) same (deforma\$5 near2 (object medi\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:27
L15	153	(configur\$4 construct\$4 model\$4 simulat\$4) same (deforma\$5 near2 (object medi\$3)) same (elastic pascal volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:28
L16	2	I15 and pascal	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:30
L17	→ 71 <i>Browsed</i>	I15 and square	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:30
L18	→ 77 <i>Browsed</i>	I15 and length	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2007/07/03 15:30

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N Molino, R Bridson, J Teran, R Fedkiw - 12th Int. Meshing Roundtable, 2003 - cs.ubc.ca

... MESHING HIGHLY DEFORMABLE OBJECTS WITH ... We use a signed distance function defined

on a Cartesian grid in order to represent the object geometry. ...

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[Adaptive refinement for mass/spring simulation - all 5 versions »](#)

D Hutchinson, M Preston, T Hewitt - 7th Eurographics Workshop on Animation and Simulation, 1996 - graphics.stanford.edu

... allow us to perform a discontinuity meshing (thereby reducing ... Dynamic Animation of Deformable Bodies ... W. Straer, and P. Stucki, editors, From Object Modelling to ...

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[Invertible finite elements for robust simulation of large deformation - all 7 versions »](#)

G Irving, J Teran, R Fedkiw - Proceedings of the 2004 ACM SIGGRAPH/Eurographics symposium ..., 2004 - portal.acm.org

... We present an algorithm for the finite element simulation of elastoplastic solids ... for controlling plastic deformation, which allows a deformable object to be ...

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R Balaniuk, K Salisbury - IS4TM workshop, June, 2003 - Springer

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[A scalable force propagation approach for web-based deformable simulation of soft tissues](#)

KS Choi, H Sun, PA Heng, JCY Cheng - 3D technologies for the World Wide Web, 2002 - portal.acm.org

... It has been used in biomechanics [15] and surgical simulation [3, 6 ... underlying material constitutive laws are studied by discretizing deformable object into a ...

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G Debumne, M Desbrun, MP Cani, AH Barr - Proceedings of the 28th annual conference on Computer ..., 2001 - portal.acm.org

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Haptic interaction with deformable objects using real-time dynamic simulation

N Swarup - 1995 - dspace.mit.edu

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F Jaillet, B Shariat, D Vandorpe - Computers & Graphics, 1998 - univ-lyon1.fr  
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K Sundaraj, C Mendoza, C Laugier - Control, Automation, Robotics and Vision, 2002.

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10.  **Deformable mesh for virtual shape sculpting**  
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11.  **Automatic determination of the dynamic geometry of abdominal aortic aneurysm from MR with application to wall stress simulations**  
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12.  **Real-time deformable models for surgery simulation: a survey**  
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14.  **Real-time 3D shape reconstruction, dynamic 3D mesh deformation, and high fidelity visualization for 3D video**  
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15.  **A subdivision-based deformable model for surface reconstruction of unknown topology**  
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17.  **A systematic approach towards developing environmental enrichment for pigs**  
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